

1963 Piper Cherokee 180

N7488W

S/N 28-1399

Total time- 2872

SMOH- 414

Complete logs

Current Annual (Completed Feb 2026)

Current annual and pitot-static check (completed Apr 2026)

Same owner for last 23 years

Engine

Lycoming O-360-A3A (compressions at annual: Cyl 1- 79, Cyl 2- 78, Cyl 3- 79, Cyl 4-79)

Millennium cylinders <http://www.superiorairparts.com/millennium-cylinders/>

Power flow exhaust with "Short stack" ceramic coated pipe

http://www.powerflowsystems.com/products.php?cat_id=6&pid=25

Tempest iridium fine wire spark plugs

<https://www.aircraftspruce.com/catalog/eppages/temptestplugs12.php>

Sky-tek Flyweight starter

<https://www.aircraftspruce.com/catalog/eppages/flywtstarter.php?clickkey=21691>

Challenger (K&N) air filter <http://www.challengeraviation.com/airfilters.html>

M20 Air/oil separator <https://www.aircraftspruce.com/catalog/eppages/rmjaero.php>

60 amp alternator

Gascolator- Steve's Aircraft CNC machined <https://www.stevesaircraft.com/gascolator.php>

Spin on oil filter adapter (originally came with just the screen)

<https://www.aircraftspruce.com/catalog/eppages/bc700oiladapter.php?clickkey=15146>

E-Z engine pre-heater

All fuel, oil, and brake hoses replaced in 2017

Oil analysis by Blackstone Labs (current report attached)

Propeller

Sensenich 76EM8-0-60

TSOH- 384 (done when engine was overhauled)

Avionics/Instruments

Nav/comm 1- Avidyne IFD540 touch screen WAAS GPS w/ current Navdata, Approach Charts, and Obstacles <https://www.avidyne.com/products/ifd/index.html>.

Nav/com 2- King KX-155 w/ GS

Push to talk on both yokes

CDI 1- Garmin GI106A GPS/VOR/LOC/Glideslope indicator

CDI 2- King KI208 VOR/LOC indicator

Audio panel- Avidyne AMX240 <https://www.avidyne.com/products/amx240/index.html>

4 place intercom, Bluetooth. Avidyne warranty until Jan 2025

Transponder- Avidyne APX340 ADS-B out & Mode S
<https://www.avidyne.com/products/axp340/index.html>. Avidyne warranty until Jan 2025

ADS-B In- Avidyne Skytrax 200 dual band receiver
<https://www.avidyne.com/product/skytrax200-adsb-dual-band-receiver/#tab-id-4>. Avidyne warranty until Jan 2025

JPI EDM900 engine monitor <https://www.jpinstruments.com/shop/edm-900-2/>

EGT & CHT on all cylinders

RPM

MAP

Oil temp

Oil pressure

Fuel pressure

Fuel flow

Fuel quantity in each tank

Volts

Amp

Outside air temp

Fuel used total

Fuel remaining total

Time to empty

Percent power

Tach

Hobbs

Auto-pilot- Trio Avionics Pro Pilot 2 axis w. GPSS & GPSV <https://www.thestcgroupllc.com/>

New altitude Encoder March 2022

Davtron digital clock and timer <https://www.davtron.com/product-detail.php?M800-12>

Nulites on all gauges with dimmer <https://www.nulite.net/products>

Precision Vertical card compass <http://www.pai700.com/>

ACK 406Mhz ELT. New October 2021

Avionics master switch

Heated pitot

Interior

Dual rams horn yokes with push to talk on each

Dual toe brakes

Black and tan interior (2011) Unisuede fabric. 8/10

3-point shoulder harness with inertia reels on each seat.

Gas springs on entry and baggage compartments doors

<https://www.aircraftspruce.com/catalog/appages/doorsteward.php>

Airtex carpet in 2026

Airtex headliner in 2004

Rosen sun visors

General info

Hangar kept

¼" windows

Gil sealed battery March 2025. Kept on Gil battery tender

Fuel tanks overhauled in 2017

Cies digital fuel senders installed October 2021

Wing spar AD 2020-24-05 complied with Oct 2021

New main gear tires and tubes 2019

Painted in 2004 with Sherwin-Williams Acry-glo polyurethane 7/10

<https://www.swaerospace.com/products/exterior/topcoats/acry-glo/acry-glo-information-about>

Whelen Parmetheus Plus LED landing light

<https://www.aircraftspruce.com/catalog/elpages/whelenparplus362.php?recfer=9019>

LED position lights

Whelen self-contained anti-collision strobe

<https://www.aircraftspruce.com/catalog/elpages/modelhrcfalight.php?clickkey=4026>

Aeroflash wingtip strobes

Halon fire extinguisher

Max gross weight 2400

Empty weight 1315

Useful load 1085

Bruce's Canopy cover

Horton STOL kit

Speed mods-

Knots 2U- Nose strut fairing

Laminar Flow Fancy Pants main gear fairings

Knots 2U- Flap hinge fairings

Knots 2 U- wing root fairings

Knots 2U- Flap gap seals

Knots 2U- Aileron gap seals

Knots 2U- Flap/fuselage gap seals

Knots 2U- Stabilator gap seals



OIL REPORT

LAB NUMBER: S367544
 REPORT DATE: 3/11/2026
 CODE: 20/1,193

UNIT ID: N7488W
 CLIENT ID: 55426
 PAYMENT: CC: AmEx

UNIT	EQUIP. MAKE/MODEL: Lycoming O-360-A3A	OIL TYPE & GRADE: Phillips 66 Victory AW 20W/50 (AD)
	FUEL TYPE: Gasoline (Leaded)	OIL USE INTERVAL: 50 Hours
	ADDITIONAL INFO: Piper PA28-180, S/N: L-6248-36, 28-1399, Millennium cylinders	

CLIENT	DANIEL YBARRA	PHONE: (951) 746-4637
	29778 PEACOCK MTN DR	FAX:
	MENIFEE, CA 92584	ALT PHONE:
		EMAIL: ybarra15@yahoo.com

COMMENTS
 DANIEL: Here's another spotless report for the Lycoming powering N7488W! Wear metals are nearly identical to what showed up last time, and that suggests the mechanical parts are still working and wearing as intended. The viscosity was correct for 20W/50 grade oil, and no measurable fuel or moisture was detected. Low silicon (from dirt) and insolubles are good signs of effective air and oil filtration, respectively. Our only suggestion is to keep doing what you're doing! It's clearly working.

	MI/HR on Oil	50						UNIVERSAL AVERAGES	
	MI/HR on Unit	410	361	325	289	261	221		
	Sample Date	2/23/2026	2/9/2025	12/29/2023	6/24/2023	11/17/2022	9/10/2021		
	Make Up Oil Added	4 qts	2 qts	2 qts	2 qts	3 qts	2 qts		
ELEMENTS IN PARTS PER MILLION	ALUMINUM	4	9	5	6	7	9	5	7
	CHROMIUM	7	19	7	12	18	25	14	5
	IRON	13	39	14	25	23	27	21	30
	COPPER	5	7	4	5	6	7	5	7
	LEAD	2432	3066	2133	2672	2591	3349	2266	3017
	TIN	1	2	1	3	2	3	1	1
	MOLYBDENUM	0	0	0	0	0	0	0	0
	NICKEL	0	2	0	1	1	1	1	2
	MANGANESE	0	1	0	0	0	0	0	0
	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0	0
	POTASSIUM	0	0	0	0	0	0	1	0
	BORON	1	1	0	1	1	0	0	1
	SILICON	4	9	4	4	5	6	5	5
	SODIUM	2	2	1	2	4	3	2	2
	CALCIUM	61	54	62	97	93	57	91	31
	MAGNESIUM	1	1	1	1	1	1	1	1
	PHOSPHORUS	903	492	1127	1160	1350	1241	774	590
	ZINC	21	15	24	23	27	27	19	7
	BARIUM	0	0	0	0	0	0	0	0

Values
Should Be*

PROPERTIES	Values Should Be*							
	104.8	85-105	104.7	105.2	96.7	97.2	98.9	
SUS Viscosity @ 210°F	104.8	85-105	104.7	105.2	96.7	97.2	98.9	
cSt Viscosity @ 100°C	21.48	16.8-21.8	21.45	21.57	19.59	19.69	20.11	
Flashpoint in °F	485	>440	485	505	505	500	475	
Fuel %	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	
Antifreeze %	-	-	-	-	-	-	-	
Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Insolubles %	0.4	<0.6	0.5	0.3	0.3	0.3	0.4	
TBN								
TAN								
ISO Code								

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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